ELSEVIER

Tectonophysics 257 (1996) 299–300

TECTONOPHYSICS

Contents Volume 257

Special Issue: Geothermal Aspects of Crustal Structure, Heat Flow and Hydrothermal Circulation
(edited by V. Cermak and L. Rybach)

Preface vii
Heat sources, heat transfer and rock types in the lower continental crust — inference from Deep Drilling
L. Rybach 1
Time-dependent crustal temperature modeling: Central Alps
V. Čermák and L. Bodri 7
On the thermal balance of a subduction zone
C.R.B. Lister 25
Thermal losses from fluids upwelling in a conduit, and the effect on surface heat flow
C.R.B. Lister 39
Thermal and rheological constraints on the earthquake depth distribution in the Charlevoix, Canada, intraplate seismic zone
M. Lamontagne and G. Ranalli 55
On the importance of measuring thermal conductivities for heat flow density estimates: an example from the Jeanne d'Arc Basin, offshore eastern Canada
A. Correia and F.W. Jones 71
Heat flow in the sediments of Lake Taupo, New Zealand
P.C. Whiteford 81
High-resolution temperature logging in shallow drillholes for the determination of terrestrial heat flow: field examples and analysis
M. Pfister and L. Rybach 93
Fibre optic temperature sensing: application for subsurface and ground temperature measurements
E. Hurtig, S. Großwig and K. Kühn 101

Research Papers
The 1987–1992 Gulf of Alaska earthquakes
G. Pegler and S. Das 111
Isostatic response of the Central Indian Ridge (Western Indian Ocean) based on transfer function analysis of gravity and bathymetry data
M.R. Krishna 137
Deformation mechanisms and reaction of hornblende: examples from the Bergell tonalite (Central Alps)
A. Berger and H. Stünitz 149
Elastic stress relaxation: A mechanism for opposite sense of secondary faulting with respect to a major fault
Y. Du and A. Aydin 175
Spatial variations of the fractal properties of seismicity in the Anatolian fault zones
A.O. Öncel, I. Main, Ö. Alptekin and P. Cowie 189
Fabric evolution of rigid inclusions during mixed coaxial and simple shear flows
J. Ježek, K. Schulmann and K. Segeth 203
Mechanism for joint saturation in mechanically layered rocks: an example from southern Israel
A. Becker and M.R. Gross 223
Crustal movements on Shikoku, southwestern Japan, inferred from inversion analysis of levelling data using ABIC
Y. Fukahata, C. Honsho and M. Matsu'ura 239
Analysis of the Granada (Spain) earthquake of 24 June, 1984 ($M = 5$) with emphasis on seismic hazard in the Granada Basin
J. Morales, S.K. Singh and M. Ordaz 253

Earthquake activity and its relationship with geologically recent motion in Denmark
S. Gregersen, J. Leth, G. Lind and H. Lykke-Andersen 265
Alternate senses of displacement along the Tsushima fault system during the Neogene based on fracture analyses near the western margin of the Japan Sea
O. Fabbri, J. Charvet and M. Fournier 275

Book Review 297